

PROJECTED WORKS.—Advertisements have been issued for tenders, by 5th November (extension of time), for locomotive, carriage, waggon, and general stores for the London and North-Western Railway; by 29th inst., for cast-iron pipes and other castings for the Newcastle and Gateshead Union Gaslight Company; and by 1st November, for 2,000 yards of good ballast, picked flint, or Kentish rag, for Bethnal Green parish.

COMPETITIONS.—Civil Engineers, Surveyors, and others, are invited by the Warwick Board of Health, to offer plans and specifications for the entire drainage and water supply of the town, with estimate of probable cost. A premium of 50*l.* offered according to advertisement. Plans are also wanted from architects for a new church at Hawes, Yorkshire, for 450 adults and 100 children, to cost not more than 1,800*l.* commission inclusive.

CLEANING PROCESS.—At a meeting of the Liverpool Polytechnic Society, held Oct. 8th, Mr. Knight described a new apparatus for regulating the flow of water from cisterns, applicable to sanitary purposes. After some remarks on the necessity of public urinals at railway stations and elsewhere being effectually washed, and the inefficiency of the present means of doing so, Mr. Knight described the apparatus provided for the purpose at the Lime-street railway station, which, he observed, had been in use for the last eighteen months. From one of the ordinary cisterns which were found in most large establishments, a small pipe led to the place where the water was required to be used. Here another cistern was erected above the urinals, and by means of the door-latch which is over the door, acting on a wire and crank connected with this pipe, whenever the door of the urinal was opened, a small quantity of water was let in to the second cistern. This cistern was supplied with a valve at the bottom, opening by means of a horizontal lever in connection with two balls, so placed, that when the water in the cistern was low, one of them hung directly downwards, while the other, on the same axle, was elevated at right angles with the last. As the water rose, the latter rose with it, and, by degrees, brought the former past the centre, when, by its buoyancy, it flew upwards, opened the valve, and the cistern was rapidly discharged of its contents. The balls resumed their former position, and the process of filling recommenced.

WESTMINSTER IMPROVEMENTS.—COMPENSATION.—The commissioners for these improvements having given notice to the guardians that they required the workhouse premises in Dean-street, belonging to the parishes of St. Margaret and St. John, for the purpose of forming the new street, the guardians claimed the sum of 19,750*l.* as compensation. The commissioners offered 10,000*l.* The matter was referred to Mr. Shaw, of Christ's Hospital. The witnesses on the part of the guardians were Messrs. Hunt, Angell, Fowler, and Pownall, whose valuations varied from 22,000*l.* to 23,000*l.* The witnesses on the part of the commissioners were Messrs. Abraham, Hardwick, Tite, and Hammick, who assessed the compensation at 10,000*l.* The sum awarded is 21,000*l.*

THE TERRACUTTED PAVEMENTS AT CIRENCESTER.—Another very fine head has just been exposed to view, in the room last discovered, corresponding with those of Ceres and Flora previously found. This is the fifth circle as yet wholly uncovered; two others are partially so, and thus only two will be lost (out of the nine which originally formed this splendid room), and not four as was at first feared, in consequence of the proximity of a house. The pavement is being carefully removed, and the whole arrangement of the warming apparatus is thus clearly shown to perfection.

SALE OF DUKES OF BUCKINGHAM'S ESTATE.—The Foscott, a fine estate containing upwards of 700 acres, in the county of Buckingham, was on Saturday week sold for 32,000*l.* Six closes of arable and pasture land, in the borough of Buckingham, containing 73a. 2r. 5p., and producing a rental of 75*l.* 10s. 8d., were sold at 1,750*l.* A tithe-free piece of woodland, containing 15a. 3r. 16p., in the parish of Preston Bissett, sold at 380*l.* The Hillesden, a very fine estate, containing upwards of 2,900 acres, was offered, but bought in.

A LESSON FROM THE LYCEUM.—Last week we met a poor friend of good abilities,—shall we call him Waver,—who never effects anything, simply through thinking that he can do something else much better. He was half way to the Bar, when it occurred to him that the Church offered a wider field for the exercise of his abilities; and now, though just on the point of being ordained, he declares that he is better fitted to build churches than to teach in one, and has resolved to be an architect! If we had seen him yesterday, instead of last week, we would have sent him to see Mr. Charles Matthews play *The Practical Man* at the Lyceum Theatre, in the Strand,—a most finished and pleasant picture of our poor friend's foible carried out. Undecided, wanting fixed purpose, hesitating, delaying, energy is wasted, everything missed. It is a good lesson as well as an admirable piece of acting; and if we have more "Wavers" than our first-named friend amongst our readers, we advise them not merely to go and see it but to profit by what they do see.

CAEN STONE.—In your number of last week, in remarks about Brighton, you say that some of the stone had failed at the new church, "St. Paul's," lately built, and that "it would be useful to ascertain the cause of its failure." The church was commenced building about four years back, and up to that time it was not discovered to be necessary to select Caen stone specially for external purposes; therefore no blame can attach to any one. Since then it has been considered a duty, with the knowledge of the fact that selection was necessary, to have that properly attended to; and, in confirmation of which, we refer your inquirer to the college recently built at Brighton, also to the church now in the course of erection by the same contractors, and under the same direction as the one referred to. We are now making selection, in accordance with analysis and suggestions made and published in your No. 114, Vol. 7, February 10, 1849, which showed that Caen stone can now, with precaution, be obtained as good as it was many centuries back, and which is still in excellent preservation. In reference to the necessity of the stone being laid on its natural bed, there are conflicting opinions; but that builders and masons may not mistake the bed-way of the stone, information is supplied to them, and in such a way that they need not mistake it, thereby leaving it for their discretion. As to Caen stone being injured by sea water, there is abundant evidence to the contrary. — **SUBSCRIBERS ON THE SPOT.**

SUPPLY OF WATER TO TOWNS.—It is suggested by a writer in the *Journal of Health*, that the metropolis might be supplied with water from Bala Lake, in Merionethshire, every town or neighbourhood that required water on the route being provided by the way. Bala, it is remarked, being 1,000 feet above the level of the sea, and a line by which water would descend quickly being readily found, not exceeding 250 miles in length, even without putting the water into pipes, there could be no difficulty in supplying London by gravitation. This grand scheme seems to have been itself suggested by a proposal formerly noticed in *THE BUILDER* to supply London and towns on the way with gas from the western coal mines.

EXPORTS OF METALS.—The foreign iron exported from London, Liverpool, and the Clyde, to the three Presidencies of India, during the first nine months of this year, was 1,580 tons, against 379 in all 1848; of British iron, 13,772 tons, against 12,580 in all 1848; of hoop ditto, 2,246 against 756; of sheet ditto, 3,749 against 2,505; of pig ditto, 413 against 40. Of foreign steel the exports this year were 673 tons, against 207 in all 1848; of foreign copper, 29 against 36; of British ditto, 1,423 against 1,424; of sheet ditto, 2,532 against 1,210; of foreign lead, 32 against none in 1848; of British ditto, 1,029 against 527; of sheet ditto, 339 against 75; of spelter cakes, 3,288 against 2,831. The exports to China direct from London, Liverpool, and the Clyde, during the first nine months of this year, were—British iron, 1,854 tons, against 1,414 in all 1848; ditto hoop, 234 against 191; ditto sheet, 24 against 19; ditto pig, 125 against 200; foreign steel, 35 against 44; sheet copper, 71 against 11; foreign lead, 347 against 101; British ditto, 462 against 50.

SALE OF THORWALDSEN'S WORKS.—It appears from a report made by the Director of the Fine Arts to the French Minister of the Interior (quoted in the *Morning Post*), that some of the marbles have been purchased for England. The director went to buy what he thought worthy of a place in the French National Collections. He says:—"The sale was composed of marbles executed for the second and third time after the models of Thorwaldsen and plaster casts. Having ascertained on the day before the sale that the marbles were not very well executed, and knowing besides that Thorwaldsen seldom touched them, I gave up the idea of purchasing them, under the idea that our practical men in France could, in case of need, produce better and more highly finished. I therefore abandoned to my competitors the statue of Mercury, Cupid, the Ganymede on her knees giving water to the eagle of Jupiter, the Three Graces, and several others. Almost all these marbles were purchased for Spain, for England, and by amateurs at Copenhagen. The plaster models were afterwards put up, and I have been fortunate enough to purchase the finest. That of Mercury preparing to kill Argus, has the winged heels, which is not to be found in the marble sold at the Spanish Embassy. It is a *chef-d'œuvre*. Thorwaldsen is not the bold artist of modern days; his style is purely classical. The Venus, the Hebe, and the Ganymede standing erect, were knocked down to me at very moderate prices, the directors of the Museum having abstained from running up the prices. The Hebe, in particular, is remarkable for the charm and *noblesse* of its attitude."

THE RUTLAND COLossal STATUE.—A committee of the Leicestershire gentlemen assembled at the County Public Office, Leicester, on Wednesday, the 24th inst., to inspect the competition models, and decide as to the artist. The meeting, which was numerously attended and presided over by the high sheriff, were unanimous in resolving that the commission should be intrusted to Mr. Edward Davis, the successful competitor for the General Nott statue. The Rutland statue is to be in bronze, and not less than 8 feet 6 inches high.

ELECTRO-TELEGRAPHIC.—Mr. H. G. Hall, of Kirkcubright, Ohio, has patented an improvement in posts for telegraphs, stating his claim to be for the "manner of combining cast-iron or artificial stone shoes with the posts, by casting the shoes with sockets, of a depth greater than the length of the tenons, on the lower ends of the posts, to be inserted into said sockets, and with fillets or bands around the external surfaces to strengthen the concave ends, which are also made flaring and sharp, so as to be forced into the shoulders of the posts, which are to be of greater diameter than the shoes, in order to overhang and protect them, and to prevent the water getting into the shoes at the points."

TENDERS

Delivered on 22nd inst., for building two third-rate houses in Cable-street, Whitechapel.

Tolley	£1,959
May	1,822
W. Hill	1,773
Barrett	1,763
Walker and Soper	1,745
Day	1,716
J. Hill	1,710
Loane	1,700
Howlett	1,578
J. Hall	1,539
Wilson	1,318
Hill (of Walsford)	1,309
Simmons	1,499
Livermore	1,490

BUILDINGS AND MONUMENTS,

MODERN AND MEDIEVAL.

Edited by GEO. GODWIN, F.R.S.,

Fellow of the Institute of Architects; Corresponding Member of several Societies.

Part IV. of this work, price 2s. 6d., containing Views of Ware Church, Hertford; Ilungford and Lambeth Suspension-bridge; New Front of Buckingham Palace; Fire-place in the Palace of the Dukes of Burgundy, at Dijon; All Saints' Church, St. John's Wood; the Interior of the House of Lords—the Throne, the Victoria Lobby, the Reporters' Gallery, and Ground-plan; with descriptive letter-press, and numerous details: will be published at the end of the month, in time for the magazines of November.

Office of *THE BUILDER*, 2, York-street, Covent Garden, or by order of any bookseller.